

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	1078088P15
Filing Date	9/28/04
First Named Inventor	Goyal
Art Unit	2811
Examiner Name	Nguyen
Attorney Docket Number	1077

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
ca	1	US- 5,739,086	04-14-1998	Goyal, et al.	
ca	2	US- 5,741,377	04-21-1998	Goyal, et al.	
ca	3	US- 5,898,020	04-27-1999	Goyal, et al.	
ca	4	US- 5,958,599	09-28-1999	Goyal, et al.	
ca	5	US- 5,964,966	10-12-1999	Goyal, et al.	
ca	6	US- 5,968,877	10-19-1999	Budai, et al.	
ca	7	US- 5,972,847	10-26-1999	Feenstra, et al.	
ca	8	US- 6,077,344	06-20-2000	Shoup, et al.	
ca	9	US- 6,106,615	08-22-2000	Goyal, et al.	
ca	10	US- 6,114,287	09-05-2000	Lee, et al.	
ca	11	US- 6,150,034	11-21-2000	Paranthaman, et al.	
ca	12	US- 6,156,376	12-05-2000	Paranthaman, et al.	
ca	13	US- 6,159,610	12-12-2000	Paranthaman, et al.	
ca	14	US- 6,180,570	01-31-2001	Goyal	
ca	15	US- 6,235,402	05-22-2001	Shoup, et al.	
ca	16	US- 6,256,521	07-03-2001	Lee, et al.	
ca	17	US- 6,261,704	07-17-2001	Goyal, et al.	
ca	18	US- 6,270,908	08-07-2001	Williams, et al.	
ca	19	US- 6,331,199	12-18-2001	Goyal, et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				

Examiner Signature	<i>QeCy</i>	Date Considered	12-01-04
--------------------	-------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.99. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

CLASS
SUB
CLASS

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2

of 4

Complete if Known

Application Number	10/808,815
Filing Date	3/23/04
First Named Inventor	Goyal
Art Unit	2811
Examiner Name	Nguyen
Attorney Docket Number	1077

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
CH	20	US- 6,375,768	04-23-2002	Goyal	
CH	21	US- 6,399,154	06-04-2002	Williams, et al.	
CH	22	US- 6,440,211	08-27-2002	Beach, et al.	
CH	23	US- 6,447,714	09-10-2002	Goyal, et al.	
CH	24	US- 6,451,450	09-17-2002	Goyal, et al.	
CH	25	US- 6,468,591	10-22-2002	Paranthaman, et al.	
CH	26	US- 6,486,100	11-26-2002	Lee, at al.	
CH	27	US- 6,599,346	07-29-2003	Goyal, et al.	
CH	28	US- 6,602,313	08-05-2003	Goyal, et al.	
CH	29	US- 6,607,838	08-19-2003	Goyal, et al.	
CH	30	US- 6,607,839	08-19-2003	Goyal, et al.	
CH	31	US- 6,610,413	08-26-2003	Goyal, et al.	
CH	32	US- 6,610,414	08-26-2003	Goyal, et al.	
CH	33	US- 6,617,283	09-09-2003	Paranthaman, et al.	
CH	34	US- 6,635,097	10-21-2003	Goyal, et al.	
CH	35	US- 6,645,313	11-11-2003	Goyal, et al.	
CH	36	US- 6,663,976	12-16-2003	Beach, et al.	
CH	37	US- 6,670,308	12-30-2003	Goyal	
CH	38	US- 6,455,166	09-24-2002	Truchan	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ³
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
Signature

QeG

Date
Considered

12-01-04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Class 5
sub
class 5

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/808,815
Filing Date	3/23/04
First Named Inventor	Goyal
Art Unit	2811
Examiner Name	Nguyen
Attorney Docket Number	10775

Sheet	3	of	4
-------	---	----	---

U. S. PATENT DOCUMENTS

[illegible]

class
sub
class

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	12-01-04
-----------------------	---	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/808815
Filing Date	3/23/04
First Named Inventor	Goyal
Art Unit	2811
Examiner Name	Nguyen
Attorney Docket Number	1077

Sheet

4

of

4

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
en	42	M. SCHRECK, et al., "Diamond nucleation on iridium buffer layers and subsequent textured growth: A route for the realization of single-crystal diamond films",	
		...January 8, 2001, Pages 192-194, Vol. 78, No. 2, Applied Physics Letters, Melville, NY	

Examiner Signature	<i>Nguyen</i>	Date Considered	12-01-04
--------------------	---------------	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.